Appl. No. 10/587,410
Reply to Office Action mailed January 24, 2008

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (original) A compound represented by the following general formula (1):

$$X \leftarrow A \qquad R^{1}$$

$$R^{2}$$

$$S(O)_{p} \qquad N-R^{4}$$

$$N(O)_{q}$$

$$N(O)_{q}$$

(wherein the ring A represents a benzene ring, or an aromatic five-membered heterocyclic ring or an aromatic six-membered heterocyclic ring which may be fused with a cycloalkane ring;

R¹ and R², which are same or different, represent a hydrogen atom, a hydroxy group, a substituted or unsubstituted alkoxy group, a substituted or unsubstituted aryloxy group, a substituted or unsubstituted alkyl group, a substituted or unsubstituted or unsubstituted aryl group, a substituted aryl group, a substituted or unsubstituted aryl group, a substituted or unsubstituted heterocyclic ring, an amino group, a substituted or unsubstituted alkylamino group, a

substituted or unsubstituted arylamino group, or a substituted or unsubstituted acyl group;

R¹ and R² may join together to form a substituted or unsubstituted heterocyclic ring;

R³ and R⁴, which are same or different, represent a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted or unsubstituted aryl group, a substituted or unsubstituted heterocyclic ring, a hydrocarbonyl group, a substituted or unsubstituted alkylcarbonyl group, a substituted or unsubstituted alkylcarbonyl group, a substituted or unsubstituted arylcarbonyl group or Z-R⁵;

R³ and R⁴ may join together to form a substituted or unsubstituted heterocyclic ring;

Z represents CO, CS, COB²O, CSB²O, CONB²R⁶, CSB²NR⁶, CONB²R⁶SO₂, CSB²NR⁶SO₂ or SO₂;

R⁵ represents a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkynyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted heterocyclic ring, a carboxy group or an ester thereof or an amide thereof, a hydrocarbonyl group, a substituted or unsubstituted alkylcarbonyl group, a substituted or unsubstituted arylcarbonyl group, a substituted or unsubstituted arylcarbonyl group or a substituted or unsubstituted heterocyclic carbonyl group;

R⁵ and R⁶ may join together to form a substituted or unsubstituted heterocyclic ring;

R⁶ represents a hydrogen atom, a substituted or unsubstituted alkyl group or a substituted or unsubstituted aryl group;

X and Y, which are same or different, represent one or plural groups selected from a hydrogen atom, a halogen atom, a hydroxy group, a substituted or unsubstituted alkoxy group, a substituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted cycloalkyl group, a substituted or unsubstituted aryl group, a substituted aryl group, a substituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted arylamino group, a mercapto group, a substituted or unsubstituted alkylthio group, a substituted or unsubstituted arylthio group, a carboxy group or an ester thereof or an amide thereof, a cyano group and a nitro group;

- B¹ represents an alkylene group;
- B² represents a single bond or an alkylene group;
- p represents 0, 1 or 2; and
- q represents 0 or 1), or a salt thereof.

Claim 2. (original) A compound represented by the following general formula (1):

$$X \leftarrow A \qquad \begin{matrix} O \\ N \\ R^2 \\ S(O)_p \qquad R^3 \\ N \rightarrow R^4 \end{matrix}$$

$$(1)$$

(wherein the ring A represents a benzene ring, a thiophene ring or a pyridine ring;

R¹ represents an alkyl group, a cycloalkyl group, an aryl group or a heterocyclic ring;

in the case where R¹ is an alkyl group, the alkyl group may have one or plural substituents selected from an aryl group, a hydroxyaryl group and an alkoxyaryl group;

in the case where R¹ is an aryl group, the aryl group may have one or plural substituents selected from a halogen atom, a hydroxy group, an alkoxy group, a halogenoalkoxy group, a hydrocarbonyloxy group, an alkylcarbonyloxy group, an arylcarbonyloxy group, an alkyl group, a halogenoalkyl group and an aryl group;

R² represents a hydrogen atom, an alkyl group or an aryl group;

in the case where R² is an alkyl group, the alkyl group may have one or plural substituents selected from a carboxy group, an alkoxycarbonyl group and an aryloxycarbonyl group;

R³ represents a hydrogen atom, an alkyl group, a cycloalkyl group, an aryl group, a heterocyclic ring or Z-R⁵;

in the case where R³ is an alkyl group, the alkyl group may have one or plural substituents selected from a hydroxy group, an alkoxy group, an aryloxy group, an amino group, an alkylamino group and an arylamino group;

in the case where R³ is a heterocyclic ring, the heterocyclic ring may have one or plural cyano groups as substituents;

R³ and R⁴ may join together to form a heterocyclic ring;

in the case where R³ and R⁴ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural substituents selected from a hydroxy group, an alkoxy group, an aryloxy group, an alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, an aryloxyalkyl group, an aryloxyalkyl group, an aryloxyalkyl group, an aryloxy group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carboxy group, an alkoxycarbonyl group, an aryloxycarbonyl group, a hydrocarbonyl group, an alkylcarbonyl group, an aryloxycarbonyl group, an aryloxycarbonyl group and an arylaminocarbonyl group, further, the heterocyclic ring may have a carbonyl group in the ring;

R⁴ represents a hydrogen atom, an alkyl group, an aryl group, a hydrocarbonyl group, an alkylcarbonyl group or an arylcarbonyl group;

in the case where R⁴ is an alkylcarbonyl group, the alkylcarbonyl group may have one or plural alkylcarbonyloxy groups as substituents;

Z represents CO, CS, CO-B²-O, CS-B²-O, CO-B²-NR⁶, CS-B²-NR⁶, CO-B²-NR⁶SO₂, CS-B²-NR⁶SO₂ or SO₂;

R⁵ represents a hydrogen atom, an alkyl group, an alkenyl group, an alkynyl group, a cycloalkyl group, an aryl group, a heterocyclic ring, a carboxy group, an alkoxycarbonyl group, an

aryloxycarbonyl group, a hydrocarbonyl group, an alkylcarbonyl group, an arylcarbonyl group, a heterocyclic carbonyl group, an aminocarbonyl group, an alkylaminocarbonyl group, or an arylaminocarbonyl group;

in the case where R⁵ is an alkyl group, the alkyl group may have one or plural substituents selected from a halogen atom, a hydroxy group, an alkoxy group, a hydroxyalkoxy group, alkoxyalkoxy group, an aryloxyalkoxy group, a cycloalkyl group, an aryl group, a heterocyclic ring, a carboxy group, an alkoxycarbonyl group, an aryloxycarbonyl group, a hydrocarbonyl group, an alkylcarbonyl group, an aryloxycarbonyl group, an amino group, an alkylamino group, an aryloxycarbonylamino group, a hydrocarbonylamino group, an aryloxycarbonylamino group, an aryloxycarbonylamino group, an arylcarbonylamino group, an arylthio group and a cyano group;

in the case where R⁵ is an aryl group, the aryl group may have one or plural halogen atoms as substituents;

in the case where R⁵ is a heterocyclic ring, the heterocyclic ring may have one or plural substituents selected from an alkyl group and an aryl group;

in the case where R⁵ is an alkylcarbonyl group, the alkylcarbonyl group may have one or plural substituents selected from a carboxy group, a hydrocarbonyloxy group, an alkylcarbonyloxy group, an arylcarbonyloxy group, an amino group, an alkylamino group and an arylamino group;

R⁵ and R⁶ may join together to form a heterocyclic ring; in the case where R⁵ and R⁶ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural substituents selected from a hydroxy group, an alkoxy group, an aryloxy group, an alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, an aryloxyalkyl group, a carboxy group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carbonyl group, a hydrocarbonyl group, an alkylcarbonyl group and an arylcarbonyl group, further, the heterocyclic ring may have a carbonyl group in the ring;

R⁶ represents a hydrogen atom, an alkyl group or an aryl group;

X and Y, which are same or different, represent one or plural groups selected from a hydrogen atom, a halogen atom and alkyl group;

- B1 represents an alkylene group;
- B² represents a single bond or an alkylene group;
- p represents 0, 1 or 2; and
- g represents 0 or 1), or a salt thereof.

Claim 3. (original) The compound according to claim 2, wherein in the general formula (1),

the ring A represents a benzene ring, a thiophene ring or a pyridine ring;

R¹ represents an alkyl group, a cycloalkyl group, an aryl group or a heterocyclic ring;

in the case where R¹ is an alkyl group, the alkyl group may have one or plural alkoxyaryl groups as substituents;

in the case where R¹ is an aryl group, the aryl group may have one or plural substituents selected from a halogen atom, a hydroxy group, an alkoxy group, a halogenoalkoxy group, an alkylcarbonyloxy group, an alkyl group and a halogenoalkyl group;

R² represents a hydrogen atom or an alkyl group;

in the case where R² is an alkyl group, the alkyl group may have one or plural substituents selected from a carboxy group and an alkoxycarbonyl group;

R³ represents a hydrogen atom, an alkyl group, a cycloalkyl group, an aryl group, a heterocyclic ring or Z-R⁵;

in the case where R³ is an alkyl group, the alkyl group may have one or plural substituents selected from a hydroxy group and an alkylamino group;

in the case where R³ is a heterocyclic ring, the heterocyclic ring may have one or plural cyano groups as substituents;

R³ and R⁴ may join together to form a heterocyclic ring;

in the case where R³ and R⁴ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural substituents selected from a hydroxy group, an alkyl group, a hydroxyalkyl group, an alkylamino group, an alkoxycarbonyl group, an alkylcarbonyl group and an alkylaminocarbonyl group, further, the heterocyclic ring may have a carbonyl group in the ring;

R⁴ represents a hydrogen atom, an alkyl group or an alkylcarbonyl group;

in the case where R⁴ is an alkylcarbonyl group, the alkylcarbonyl group may have one or plural alkylcarbonyloxy groups as substituents;

Z represents CO, CO-B²-O, CO-B²-NR6, CS-B²-NR6, CO-B²-NR6SO₂ or SO₂; R⁵ represents a hydrogen atom, an alkyl group, an alkenyl group, an alkynyl group, a cycloalkyl group, an aryl group, a heterocyclic ring, an alkoxycarbonyl group, an alkylcarbonyl group, a heterocyclic carbonyl group or an alkylaminocarbonyl group;

in the case where R⁵ is an alkyl group, the alkyl group may have one or plural substituents selected from a halogen atom, a hydroxy group, an alkoxy group, a hydroxyalkoxy group, an alkoxyalkoxy group, a cycloalkyl group, a heterocyclic ring, a carboxy group, an alkoxycarbonyl group, an amino group, an alkylamino group, an alkoxycarbonylamino group, an alkylcarbonylamino group, an alkylthio group and a cyano group;

in the case where R^5 is an aryl group, the aryl group may have one or plural halogen atoms as substituents;

in the case where R⁵ is a heterocyclic ring, the heterocyclic ring may have one or plural alkyl groups as substituents;

in the case where R⁵ is an alkylcarbonyl group, the alkylcarbonyl group may have one or plural substituents selected from a carboxy group, an alkylcarbonyloxy group and an alkylamino group;

R⁵ and R⁶ may join together to form a heterocyclic ring;

in the case where R⁵ and R⁶ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural substituents selected from a hydroxy group, an alkyl group, a hydroxyalkyl group, an alkoxycarbonyl group and an alkylcarbonyl group, further, the heterocyclic ring may have a carbonyl group in the ring;

- R⁶ represents a hydrogen atom or an alkyl group;
- X and Y represent a hydrogen atom;
- B¹ represents an alkylene group;
- B² represents a single bond or an alkylene group;
- p represents 0 or 1; and
- q represents 0, or a salt thereof.

Claim 4. (currently amended) The compound according to claim [[2 or]] 3, wherein in the general formula (1),

the ring A represents a benzene ring, a thiophene ring or a pyridine ring;

R¹ represents an aryl group or a heterocyclic ring;

in the case where R¹ is an aryl group, the aryl group may have one or plural substituents selected from a halogen atom, a halogenoalkoxy group, an alkyl group and a halogenoalkyl group;

R² represents a hydrogen atom;

 R^3 represents a hydrogen atom, an alkyl group, a cycloalkyl group, an aryl group, a heterocyclic ring or $Z-R^5$;

in the case where R³ is an alkyl group, the alkyl group may have one or plural alkylamino groups as subtituents;

in the case where R³ is a heterocyclic ring, the heterocyclic ring may have one or plural cyano groups as substituents;

R³ and R⁴ may join together to form a heterocyclic ring;

in the case where R³ and R⁴ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural substituents selected from an alkyl group and an alkylcarbonyl group;

R4 represents a hydrogen atom or an alkyl group;

Z represents CO, CO-B2-O, CO-B2-NR6, CO-B2-NR6SO2 or SO2;

R⁵ represents a hydrogen atom, an alkyl group, an aryl group, an alkylcarbonyl group or an alkylaminocarbonyl group;

in the case where R⁵ is an alkyl group, the alkyl group may have one or plural substituents selected from a halogen atom, a hydroxy group, a heterocyclic ring, an alkylamino group and an alkylcarbonylamino group;

in the case where R^5 is an aryl group, the aryl group may have one or plural halogen atoms as substituents;

in the case where R^5 is an alkylcarbonyl group, the alkylcarbonyl group may have one or plural carboxy groups as substituents;

 R^5 and R^6 may join together to form a heterocyclic ring;

in the case where R⁵ and R⁶ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural hydroxyalkyl groups as substituents;

R⁶ represents a hydrogen atom or an alkyl group;

X and Y represent a hydrogen atom;

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B¹ represents an alkylene group;

B² represents a single bond or an alkylene group;

p represents 0; and

q represents 0, or a salt thereof.

Claim 5. (original) The compound according to any one of claims 1 to 4, wherein in the general formula (1), the ring A represents a pyridine ring or a thiophene ring, or a salt thereof.

Claim 6. (original) The compound according to claim 5, wherein in the general formula (1), the ring A represents a pyridine ring, or a salt thereof.

Claim 7. (currently amended0 The compound according to any one of claims 1 to [[6]] $\underline{4}$, wherein in the general formula (1), a partial structure (C):

$$S(O)_{p} R^{3}$$

$$B^{1} N-R^{4}$$

$$N(O)_{q}$$

$$(C)$$

and a partial structure (D):

$$\begin{array}{ccc}
O & R^1 & (D) \\
R^2 & \end{array}$$

are bonded to adjacent carbon atoms on the ring A, or a salt thereof.

Claim 8. (currently amended) The compound according to claim 5 [[or 6]], wherein in the general formula (1), the partial structure (C) and the partial structure (D) are bonded to adjacent carbon atoms on the ring A, and the positions of the carbon atoms are an α -position and a β -position to a heteroatom on the ring A, or a salt thereof.

Claim 9. (currently amended) The compound according to any one of claims 2 to [[8]] $\underline{4}$, wherein in the general formula (1),

R³ represents Z-R⁵;

Z represents CO, CO-B2-O, CO-B2-NR6 or CO-B2-NR6SO2;

R⁵ represents a hydrogen atom, an alkyl group, an aryl group, an alkylcarbonyl group or an alkylaminocarbonyl group;

in the case where R⁵ is an alkyl group, the alkyl group may have one or plural substituents selected from a halogen atom, a hydroxy group, a heterocyclic ring, an alkylamino group and an alkylcarbonylamino group;

in the case where R^5 is an aryl group, the aryl group may have one or plural halogen atoms as substituents;

in the case where R⁵ is an alkylcarbonyl group, the alkylcarbonyl group may have one or plural carboxy groups as substituents:

R⁵ and R⁶ may join together to form a heterocyclic ring;

in the case where R⁵ and R⁶ join together to form a heterocyclic ring, the heterocyclic ring may have one or plural hydroxyalkyl groups as substituents;

- R⁶ represents a hydrogen atom or an alkyl group;
- $\ensuremath{B^2}$ represents a single bond or an alkylene group, or a salt thereof.
- Claim 10. (original) A compound selected from the group consisting of
- •N-(3,5-Dimethylphenyl)-2-[2-(4-methylpiperazin-1-yl)pyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •2-(2-Cyclopropylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-[2-(N-(2-Dimethylaminoethyl)-N-methylamino)pyridin-4ylmethylthio]-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-morpholinopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-[2-(piperidin-1-yl)pyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •2-[2-(4-Acetylpiperazin-1-yl)pyridin-4-ylmethylthio]-N-(3,5-dimethyl-phenyl)pyridine-3-carboxamide,
- •N-(Indan-5-yl)-2-(2-morpholinopyridin-4-ylmethylthio)pyridine-3-carboxamide,

- •2-[2-(4-Acetylpiperazin-1-yl)pyridin-4-ylmethylthio]-N-(indan-5-yl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-n-pentylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-tert-Butoxycarbonylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-tert-Butoxycarbonylaminopyridin-4-ylmethylthio)-N-(3-isopropylphenyl)pyridine-3-carboxamide,
- •2-(2-tert-Butoxycarbonylaminopyridin-4-ylmethylthio)-N-(indan-5-yl)pyridine-3-carboxamide,
- •2-(2-tert-Butoxycarbonylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-tert-Butoxycarbonylaminopyridin-4-ylmethylthio)-N-(4-tert-butylphenyl)pyridine-3-carboxamide,
- •2-(2-tert-Butoxycarbonylaminopyridin-4-ylmethylthio)-N-(1H-indazol-6-yl)pyridine-3-carboxamide
- •2-[2-(N-tert-Butoxycarbonyl-N-methylamino)pyridin-4ylmethylthio]-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,

- •2-[2-(5-Cyanothiazol-2-ylamino)pyridin-4-ylmethylthio]-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(3-isopropylphenyl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(indan-5-yl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(4-tert-butylphenyl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(1H-indazol-6-yl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-methylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(Indan-5-yl)-2-(2-methylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-Methylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,

- •2-(2-Aminopyridin-4-ylmethylthio)-N-(4-chlorophenyl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(4trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(isoquinolin-3-yl)pyridine-3-carboxamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)benzamide,
- •2-(2-Aminopyridin-4-ylmethylthio)-N-(4-chlorophenyl)benzamide,
- •3-(2-Aminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)thiophene-2-carboxamide,
- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-propionylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-trifluoroacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,

- •N-(3,5-Dimethylphenyl)-2-(2-isobutyrylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-pivaloylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-trifluoromethanesulfonylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(4-chlorophenyl)pyridine-3-carboxamide,
- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-[2-(N-Acetyl-N-methylamino)pyridin-4-ylmethylthio]-N-(3, 5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(1H-indazol-6-yl)pyridine-3-carboxamide,
- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethyl-4-hydroxyphenyl)pyridine-3-carboxamide,
- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(4-chlorophenyl)benzamide,

- •2-(2-Acetylaminopyridin-4-ylmethylthio)-N-(4-tert-butylphenyl)benzamide,
- •3-(2-Acetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)thiophene-2-carboxamide,
- •3-(2-Acetylaminopyridin-4-ylmethylthio)-N-(4-chlorophenyl)thiophene-2-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-[2-(N'-n-propylureido)pyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •2-[2-(N'-tert-Butylureido)pyridin-4-ylmethylthio]-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-[2-(N'-4-Chlorophenylureido)pyridin-4-ylmethylthio]-N-(3, 5-dimethylphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-formylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-phenylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-[2-(N'-methylureido)pyridin-4-ylmethylthio]pyridine-3-carboxamide,

- •2-[2-(N'-Methylureido)pyridin-4-ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(4-Chlorophenyl)-2-[2-(N'-methylureido)pyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-[2-(N'-methylureido)pyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •2-(2-Acetoxyacetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-Acetoxyacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Aminoacetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(4-Chlorophenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,

- •N-(3,5-Dimethyl-4-hydroxyphenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(3-methylphenyl)pyridine-3-carboxamide,
- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethyl-phenyl)pyridine-3-carboxamide,
- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(isoquinolin-3-yl)pyridine-3-carboxamide,
- •N-(3-Chlorophenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(indan-5-yl)pyridine-3-carboxamide,
- •N-(3-Chloro-4-trifluoromethoxyphenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(3-isopropylphenyl)pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,

- •2-(2-Hydroxyacetylaminopyridin-4-ylmethylthio)-N-(3-trifluoromethylphenyl)pyridine-3-carboxamide,
- •2-[2-(3-Hydroxycarbonylpropionyloxy)acetylaminopyridin-4ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-methanesulfonylaminoacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-(2-Dimethylaminocarbonyloxyacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Isopropylaminoacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Dimethylaminoacetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(2-Dimethylaminoacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Morpholinoacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,

- •2-[2-(2-Dimethylaminoethyl)aminoacetylaminopyridin-4ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-[2-(2-Morpholinoethyl)aminoacetylaminopyridin-4-ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-[2-(3-Hydroxypropyl) aminoacetylaminopyridin-4-ylmethylthio]-N-(4-trifluoromethoxyphenyl) pyridine-3-carboxamide,
- •N-(4-Chlorophenyl)-2-[2-(2-dimethylaminoethyl)aminoacetylaminopyridin-4-ylmetylthio]pyridine-3-carboxamide,
- •2-(2-Aminoacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-[2-(N-(2-Dimethylaminoethyl)-N-methylamino)acetylaminopyridin-4-ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3carboxamide,
- •2-[2-(2-Hydroxyethyl)aminoacetylaminopyridin-4-ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-[2-(Piperazin-1-yl)acetylaminopyridin-4-ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-(2-

dimethylaminoacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,

- •2-[2-(2-Acetylaminoethyl)aminoacetylaminopyridin-4ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(4-Chlorophenyl)-2-[2-(piperazin-1-yl)acetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •2-[2-(2-Hydroxyethyl) aminoacetylaminopyridin-4-ylmethylthio]-N-(3-methylphenyl) pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-[2-(2-dimethylaminoethyl)aminoacetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-[2-(2-hydroxyethyl)aminoacetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •2-[2-(2-Acetylaminoethyl)aminoacetylaminopyridin-4ylmethylthio]-N-(4-difluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-[2-(N-(2-dimethylaminoethyl)-N-methylamino) acetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,

- •2-[2-(2-Dimethylaminoethyl)aminoacetylaminopyridin-4ylmethylthio]-N-(4-trifluoromethylphenyl)pyridine-3-carboxamide,
- •2-[2-(4-(2-Hydroxyethyl)piperazin-1-yl)acetylaminopyridin-4ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-[2-(piperazin-1-yl)acetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •N-(4-Difluoromethoxyphenyl)-2-(2-isopropylaminoacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-[2-(2-Dimethylaminoethyl)aminoacetylaminopyridin-4ylmethylthio]-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-isopropylaminoacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-[2-(3-hydroxypropyl)aminoacetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-[2-(2-morpholinoethyl)aminoacetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,

- •2-(2-Ethylaminoacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Aminoacetylaminopyridin-4-ylmethylthio)-N-(4-difluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(3-Aminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide,
- •2-(3-Acetylaminopyridin-4-ylmethylthio)-N-(3, 5-dimethylphenyl)pyridine-3-carboxamide,
- •N-(3,5-Dimethylphenyl)-2-(2-morpholinoacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide,
- •2-[2-(3-Dimethylaminopropyl)aminoacetylamino]pyridin-4ylmethylthio]-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide,
- •2-(2-Dimethylaminoacetylaminopyridin-4-ylmethylthio)-N-(3-methylphenyl)pyridine-3-carboxamide,
- •2-[2-(2-Dimethylaminoethyl)aminoacetylaminopyridin-4ylmethylthio]-N-(3-methylphenyl)pyridine-3-carboxamide,
- •N-(3-Methylphenyl)-2-[2-(piperazin-1-yl)acetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide,

•2-[2-(Piperazin-1-yl)acetylaminopyridin-4-ylmethylthio]-N-(4-trifluoromethylphenyl)pyridine-3-carboxamide and

•N-(4-Difluoromethoxyphenyl)-2-[2-(N-(2-hydroxyethyl)-N-methylamino)acetylaminopyridin-4-ylmethylthio]pyridine-3-carboxamide or a salt thereof.

Claim 11. (currently amended) A pharmaceutical composition comprising a pharmaceutically effective amount of the compound or a salt thereof as claimed in any one of claims 1 [[-10]] to 4 as an active ingredient and a pharmaceutically acceptable carrier.

Claims 12 and 13. (canceled)

Claim 14. (new) A method for treating a disease in which angiogenesis or vascular hyperpermeability is involved, comprising administering to a patient a pharmaceutically effective amount of the compound or a salt thereof as claimed in any one of claims 1 to 4 as an active ingredient.

Claim 15. (new) The method as claimed in claim 14, wherein the disease in which angiogenesis or augmentation of vascular permeability is involved, is cancer, rheumatoid arthritis, agerelated macular degeneration, diabetic retinopathy, retinopathy of prematurity, retinal vein occlusion, polypoid choroidal

angiopathy, diabetic macular edema, psoriasis vulgaris or atherosclerosis.

Claim 16. (new) The compound according to claim 1, wherein the compound is 2-(2-aminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide or a salt thereof.

Claim 17. (new) The compound according to claim 1, wherein the compound is N-(3,5-dimethylphenyl)-2-(2-methylaminopyridin-4-ylmethylthio)pyridine-3-carboxmaide or a salt thereof.

Claim 18. (new) The compound according to claim 1, wherein the compound is 2-(2-methylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide or a salt thereof.

Claim 19. (new) The compound according to claim 1, wherein the compound is 2-(2-aminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide or a salt thereof.

Claim 20. (new) The compound according to claim 1, wherein the compound is 2-(2-acetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylpnenyl)pyridine-3-carboxamide or a salt thereof.

Claim 21. (new) The compound according to claim 1, wherein the compound is 2-(2-acetylaminopyridin-4-ylmethylthio)-N-(4-chlorophenyl)pyridine-3-carboxamide or a salt thereof.

Claim 22. (new) The compound according to claim 1, wherein the compound is 2-(2-acethylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide or a salt thereof.

Claim 23. (new) The compound according to claim 1, wherein the compound is N-(3,5-dimethylphenyl)-2-[2-(N'-methylureido)pyridine-4-ylmethylthio]pyridine-3-carboxamide or a salt thereof.

Claim 24. (new) The compound according to claim 1, wherein the compound is 2-(2-acetoxyacetylaminopyridin-4-ylmethylthio)-N-(3,5-dimethylphenyl)pyridine-3-carboxamide or a salt thereof.

Claim 25. (new) The compound according to claim 1, wherein the compound is 2-(2-acetoxyacetylaminopyridin-4-ylmethylthio)-N-(4-trifluoromethoxyphenyl)pyridine-3-carboxamide or a salt thereof.

Claim 26. (new) The compound according to claim 1, wherein the compound is 2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)-N-(4-trifluormethoxyphenyl)pyridine-3-carboxamide or a salt thereof.

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Claim 27. (new) The compound according to claim 1, wherein the compound is N-(3,5-dimethylphenyl)-2-(2-hydroxyacetylaminopyridin-4-ylmethylthio)pyridine-3-carboxamide or a salt thereof.